



National seminar

on

"Genomics to Conservation: Emerging Trends in Crop Improvement and Biodiversity Management"

Organized by

PG Department of Botany

Date: 28th March 2025



Venue

BLT

Bhadrak Autonomous College, Bhadrak

About Bhadrak Autonomous College

Bhadrak Autonomous College, formerly known as Bhadrak College, was established on July 6, 1948, through the tireless efforts of visionary individuals like Dr. Harekrushna Mahatab, Narendra Prasad Das, Chhakadi Mohanty, and others. Initially affiliated to Utkal University for Intermediate Arts, the college gradually expanded to offer Intermediate Science (1954-55), Degree courses in Humanities (1951), and Science (1960-61). Today, Bhadrak Autonomous College takes pride in its legacy of academic excellence, innovation, and holistic development, offering undergraduate and postgraduate programs in arts, commerce, science, and professional courses, with a strong focus on empowering minds and enriching futures.

About PG Department of Botany

Established in 1954, the Department of Botany has traversed a remarkable journey, starting with intermediate science level teaching, followed by the initiation of Bachelor's level teaching in Botany (Pass) in 1960, introduction of Honours level teaching in 1967, and the launch of Postgraduate course in Botany in 2023. The department is renowned for its disciplined yet student-friendly environment, and committed in delivering quality education, promoting scientific temperament, and motivating students to pursue research and careers in academia.

Correspondence

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Scope of the seminar

The development of sustainable crop varieties is crucial for ensuring global food security. Recent advances in genomics, genetics, and conservation offer unprecedented opportunities for crop improvement. This seminar explores the integration of Genome-Wide Association Studies (GWAS) and genome editing technologies for precision crop breeding, conservation of plant genetic resources for preserving biodiversity, and the application of transgenic approaches for enhancing crop resilience. Furthermore, it highlights the importance of taxonomy and systematics for biodiversity conservation, recognizing the critical role of these disciplines in understanding and preserving the rich diversity of plant species. The seminar will also shed light on the critical role of environment experts in integrating biodiversity conservation into corporate ESG (Environment, Social and Governance) strategies, ensuring a sustainable and greener future. Overall, the seminar will emphasize the crucial role of sustainable crop development, biodiversity conservation, and ESG integration in ensuring global food security, biodiversity enrichment and a sustainable future.

Theme of the seminar

1. Genomics and Genome Editing for Crop Improvement
2. Conservation of Plant Genetic Resources in Odisha
3. Transgenic Approaches for Crop Development
4. Taxonomy and Systematics for biodiversity conservation
5. Environmental Sustainability:

Patron
Dr. Durga Sankar Das
Principal
Bhadrak Autonomous College

Resource Persons

- 1. Dr. Parameswaran C**
Scientist, Crop Improvement Division, ICAR-CRRI, Cuttack
- 2. Dr. Prasad Kumar Dash**
Botanist, Odisha Biodiversity Board, F, E and CC Dept. Govt. Of Odisha, Bhubaneswar.
- 3. Dr. Rahul Kumar**
Assistant Professor II, Amity Institute of Biotechnology, Amity University Jharkhand
- 4. Er. Sourav Mohapatra**
SFA-ESG (Sustainability and Reporting), Qualcomm Corporation

Who can participate

Researchers, academicians, and students from the fields of life sciences, botany, plant genetics, breeding, taxonomy, and related areas are invited to participate.

Guidelines for Abstract Submission

Prospective participants are requested to submit abstracts for oral and poster presentations based on the above themes. The abstract should be concise, within 500 words, and formatted in MS Word with Times New Roman font, 11-point font size, and 1.5 line spacing. A 1-inch margin should be left on both the left and right sides of the A4-sized page. The abstract should include the title, author names, affiliations, and email addresses, with the presenting author's name underlined.

Please submit abstracts electronically as email attachments to departmentofbotany348@gmail.com.

Presentation Guidelines

Oral Presentation Guidelines

Oral presenters are required to prepare a maximum of 15 slides to showcase their research/presentation. Each presentation is allotted 12 minutes, including 3 minutes for questions and answers.

Poster Presentation Guidelines

Posters should be prepared in portrait orientation, with dimensions not exceeding 4 feet in height and 3 feet in width.

Organizing committee

Department of Botany

1. Mrs. Swapna Sonalika Jena, HOD, **(Organizing Secretary)**
2. Dr. Sasmita Satapathy **(Convener)**
3. Dr. Priyadarshani Suchismita Sethy **(Joint Organizing Secretary)**
4. Mrs. Gitanjali Nanda, Faculty
5. Mrs. Prativa Manjari Sethi, Faculty
6. Mr. Joygopal Sethi, LASK
7. Mrs. Rojalin Jena, LASK
8. Miss. Sasmita Das LASK

Supporting Staffs

1. Mr. Narasingha Chandra Mohanty
2. Mr. Dilip Kumar Sahoo
3. Mr. N. Dilli Rao
4. Mr. Nirmal Barik

Registration Fee for Delegates

Academic/Research Institution: Rs.700

UG/PG/Research students: Rs. 200

Last Date of Registration: 26.03.2025

(Registration is mandatory for all the delegates)

Payment Gateway for

"Genomics to Conservation: Emerging Trends in Crop Improvement and Biodiversity Management"

Date: 28th March 2025



Registration for Delegates

For any query contact: 7750821293

(Can be paid on the spot)

Register with the following Google link:

https://docs.google.com/forms/d/e/1FAIpQLSeAw9eBJbx1xaQBbSyyFgnXsby_BorUnyGjeqLF9_fhittWyw/viewform